

Application No.: 10/611,473
Amendment Dated July 11, 2007
Reply to Office Action of January 11, 2007

Amendments to the Drawings:

The attached sheets of drawings serve to formalize all of the drawings, and do not include substantive changes to any of the figures. The attached sheets therefore replace all of the original sheet.

Attachment: Replacement Sheets (7)

REMARKS

The present Amendment is responsive to the Official Action of January 11, 2007. The Official Action rejects Claims 1 and 6-10 under 35 U.S.C. § 102(e) as being anticipated by U.S. Published Patent Application Number 2006/0221230 to Dutta *et al.* (“Dutta”). Claims 11-13 and 17-20 also appear to be rejected under 35 U.S.C. § 102(e) as being anticipated by Dutta (the Official Action provides discussion comparing these claims and the disclosure in Dutta, but does not list these claims in the statement of rejection appearing at the outset of the section entitled “Claim Rejections – 35 USC § 102”). Claims 2-5 and 14-16 are rejected under 35 U.S.C. § 103 as being obvious over Dutta in view of U.S. Patent No. 6,831,682 to Silverbrook *et al.* (the Official Action also lists these claims in the statement of rejection appearing at the outset of the section entitled “Claim Rejections – 35 USC § 102,” but provides no discussion comparing these claims and the disclosure in Dutta). The Official Action also objected to the drawings. By this Amendment, all of the claims have been amended, and all of the drawing sheets have been replaced. Reconsideration of the claims in view of the preceding amendments and the following remarks is respectfully requested.

Amended independent Claim 1 is directed to a “method of processing an image captured by a mobile camera telephone, said method comprising: digitizing the image to obtain Bayer data; processing the Bayer data to obtain image data; and extracting raw data from the image data.” Amended independent Claims 13 and 19 are respectively directed to a system and an apparatus. Each of Claims 13 and 19 recites elements for (a) capturing and digitizing an image, (b) processing the captured image to produce an image file/image data, and (c) extracting raw data from the image file/data, similar to as recited in Claim 1, albeit in different language.

Dutta generally discloses a mobile camera telephone, as well as a method for using such a device to record an image. The disclosed method includes

capturing an image in a first camera component of [a] mobile camera telephone; sending digital data in a RAW format from the first camera component to a second application processing component of the mobile

camera telephone; and, in the second application processing component, both image processing the digital data in RAW format to produce an image for viewing and controlling the storage of that image in the telephone.

See Dutta, ¶ 0006.

In one embodiment, *Dutta* discloses that

. . . digital data **11** is size reduced before being sent across the interface **27** [between the camera component and the application processing component], to make bandwidth of the interface **27** smaller. In [one] example . . . the digital data **11** is bit depth reduced from 10 bits, at the output of the ADC **12c** to 8 bits when it crosses the interface **27**. The bit reduction, in this example, is performed as part of gamma correction by a gamma correction block **30**. The image processing function of gamma correction is performed in the camera module **28** by gamma correction block **30** instead of the camera image processing block **26b** of the application processor **26**.

The module **28** performs some limited image processing, but the majority is carried out by the camera image processing block **26b** of the application processor **26** . . . The application processor **26** provides the majority of camera data processing functions to construct final image data . . .

See Dutta, ¶¶ 0024-0025.

The Official Action contends that the gamma correction discussed above anticipates the recitation “processing the Bayer data to obtain image data” of Claim 1, and that the sending of digital data across the interface anticipates the limitation “extracting raw data from the image data” of Claim 1. *See* pp. 3-4 of the Official Action. The Official Action further indicates that Claims 13 and 19 are subject to essentially the same rejections as Claim 1 based on perceived relationships between these claims. *See* p. 5 of the Official Action.

The specification of the present application indicates that image data are at least sufficient to form a visual image on a display, such as, for example, either RGB (red, green, blue) or YUV (luminance and chrominance) formatted data produced by an image processor. *See* ¶¶ 0015 and 0018 of the present application. It appears that bit depth reduction and/or

gamma processing does not result in image data. This is confirmed by the statement above from *Dutta* that “the application processor [invoked after gamma correction] provides the majority of camera data processing functions to construct final image data.” *See Dutta*, ¶ 0025. Overall, the gamma correction of *Dutta* does not amount to “processing the Bayer data to obtain image data” as recited by Claim 1 (and also in one form or another by Claims 13 and 19) of the present application, and the sending of digital data across the interface of *Dutta* does not amount to “extracting raw data from the image data” as recited by Claim 1 (and also in one form or another by Claims 13 and 19) of the present application. As such, *Dutta* does not anticipate each and every limitation of any of Claims 1, 13, or 19.

For at least the above reasons, Applicants respectfully submit that independent Claims 1, 13, and 19, as well as the claims respectively depending therefrom, are patentable over *Dutta*.

The Official Action objected to the drawings, indicating that some portions of the drawings were not sufficiently clear. By this Amendment, Applicants have replaced all of the drawing sheets with formalized drawings. Applicants have made no substantive changes to the drawings in producing the formal figures.

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CONCLUSION

In view of the amended claims and the foregoing remarks, it is respectfully submitted that all of the claims of the present application are in condition for immediate allowance. It is therefore respectfully requested that a Notice of Allowance be issued. The Examiner is encouraged to contact Applicant's undersigned attorney to resolve any remaining issues in order to expedite examination of the present application.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 CFR § 1.136(a), and any fee required therefore (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 16-0605.

Respectfully submitted,

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